GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:3088
ANSWERED ON:17.12.2015
Upgradation of Technology in Solar and Wind Energy
Singh Shri Rakesh

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether modern technology for power generation through solar and wind energy is available in the country;

(b) if so, the year-wise details of generation of power through these alternative sources of energy during the last five years and the current year, State/UT-wise;

(c) whether solar and wind energy projects are functioning with optimum capacity through the available technologies, if so, the details thereof; and

(d) whether foreign assistance is required/ has been sought to promote power generation, through the said sources in the country and if so, the details thereof along with the steps taken/ proposed to be taken by the Government to bring/ attract foreign investment in this regard?

Answer

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a)&(b): Yes, Madam. The year-wise power generation through solar and wind in different States are given in Annexure - A and Annexure - B, respectively.

(c): The Capacity Utilization Factor (CUF) of solar photovoltaic power plants installed under Phase-I, Batch-II of National Solar Mission is up to 21%, which is quite satisfactory. In the case of wind energy projects, the CUF varies from 20% to 32% depending on wind zones.

(d): As per Government of India's policies, foreign investment is allowed under automatic route. The Ministry would encourage foreign investment in solar power in order to achieve the target of 100GW by 2022. In wind power, the capacity addition is mainly through private sector investment including foreign investors. Various fiscal and financial incentives are available to attract the foreign investment in this sector.
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